



Technical Data Sheet

RUNTECIZER-BBSA

RUNTECIZER-BBSA is a liquid sulfonamide plasticizer for resins such as polyacetals, polycarbonates, polysulfones, and polyamides especially for Nylon 11, and Nylon-12.

Brand Name RUNTECIZER-BBSA
Chemical Name N-Butyl Benzene Sulfonamide
Emp. Formula C₁₀H₁₅NO₂S

Specification

<i>Parameter</i>	<i>Unit</i>	<i>Specification</i>
Appearance		Clear and colorless viscous liquid
Odor		Mild
Color	APHA	30 max
Water	%	0.1% max
Viscosity	CPS	150-180
Content	%	99% min.

Packing, Handling & Storage

220kg in 200 litre iron drum. Keep in cool, dry location.

Runtecizer-BBSA is slightly hygroscopic. Always keep it inside closed container. Shelf-life is 2 years after date of production.

Application

Runtecizer-BBSA is the plasticizer of choice for nylon plastic application to modify the flexibility of the nylon., particularly at low temperature. The addition of Runtecizer BBSA contributes

- (1) easier removal from molds
- (2) easier machining;
- (3) better finish;
- (4) good heat stability to 80 °C
- (5) better sharp stability due to decreased water absorption.

It greatly enhance low temperature flexibility of polyamide resins. It may be added either pre- or post-polymerization for Nylon-11 or Nylon 1, and in the extrusion of other polyamides (e.g. Nylon 6, Nylon 66). It is typically used at level of 5-20% (wt/wt).

It is also used in application as molded polyamide parts, nylon fishing line, nylon based adhesives for non-woven interlining, auto-fuel line, coil air hoses, and other high performance application.